

Gleason Mine

Gold

NAME			OLD NAMES	PRINCIPAL ORE	MINOR MINERALS
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T12S	R44E	N ¹ / ₂ Sec. 15
T	R	S

PUBLISHED REFERENCES

Parks & Swartley 16:99
 Lorain 38:35
 Ore. Metal Mines Handbook 14A pg-67

..... Baker COUNTY

..... Lower Burnt River AREA

..... 4500 ELEVATION

..... ROAD OR HIGHWAY

..... 5 1/2 mi. near Leatharby DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) A. V. Lovajoy

..... Mrs. Dora Rizer

Address Lime, Ore.

..... " "

OPERATOR

Name of claims	Area	Pat.	Unpat.
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7 lode claims			x
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Name of claims	Area	Pat.	Unpat.
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EQUIPMENT ON PROPERTY

GLEASON MINE

L. Burnett River
Chicken Creek District
Baker County

Owner: A. V. Lovejoy and Mrs. Dora Rizor, Lime, Oregon.

Operator: Same.

Location: N $\frac{1}{2}$ Section 15, T 12 S, R 44 E, W. M. About 5 $\frac{1}{2}$ miles from the shipping point, Weatherby, on the railroad and highway #30. Elevation about 4500'.

Area: Seven unpatented lode claims.

History: Located about 1867 by Fred Gardner and John McGilvery and has been operated intermittently since. "Northwest Mining" for April, 1935, says: "The old Gleason Mine at Chicken Creek, Oregon, has been sold by the Lovejoy family to the Waugh Brothers of Auburn, Washington, and G. M. Hubbard of Seattle, who are pushing a development campaign in charge of James Brown of Baker. A 200' shaft is being started." At the present time the mine is being operated by A. V. Lovejoy. Past production is said to be \$150,000.

Equipment: The 5 stamp mill has alternative power in a moder T Ford truck (rear wheel drive by belt) and a 10 hp horizontal steam engine with a 14 hp boiler. The latter has not been in use recently due to scarcity of wood for fuel. The pulp from the mill passes through a 40 mesh screen and over silvered copper plates 4 by 10'. It then goes to a 6 x 14' vanner table, whose concentrates are returned to the mill heads. In the mine two small gasoline engines serve the windlass and the 100' winze. Cars and 600' of track. 7 tons per day.

Geology: The mine lies in hilly country at about 4500' elevation. The country rock is biotite granodiorite with a "porphyry dike" hanging wall. The main vein strikes N 7 $^{\circ}$ E and dips about 65 $^{\circ}$ W. It is well defined with a width varying from 2 to 4'. The ore is similar to the other mines in the district, being free milling gold in a sheared quartz. No sulphide was seen. Ore is said to run \$30.00 to \$70.00 per ton.

Development: The mine was first developed by a 200' tunnel running due east into the hill from just above the mill. This was called the "Blacksmith" tunnel. The present work is done through a new tunnel a little less than 1000' south and 80' lower. This tunnel starts N 20 $^{\circ}$ W and continues in that general direction (with numerous bends) for 550' where it intersects the vein. The vein has been drifted and stoped to the surface over about 300' distance, the north drift connecting to the end of the Blacksmith tunnel with an 80' raise. An inclined winze has been sunk to a depth of 100' and has been drifted at the 40' level for 150' to the south and 200' to the north and on the 100' level for 200' to the south. Total about 2000' of workings.

Economics: This is another small operation at which wages can be made. Ore reserves are just ahead of the mining, although there are good possibilities for real development. The timbering is not too good, and the gas fumes from the engines are bad at some times of the day when the natural ventilation through stopes is not acting. Not an economic operation but a possible one.

Informant: L. Gifford and records of J. Prescott.

June 15, 1938

John Eliot Allen
Field Geologist